

## WEST Search History

DATE: Thursday, November 04, 2004

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND</i>			
<input type="checkbox"/>	L1	fischer.in. and (lipoteichoic or lipo-teichoic or teichoic or gram)	705
<input type="checkbox"/>	L2	L1 and positive	145
<input type="checkbox"/>	L3	L2 and (hybridoma or mab or moab or monoclonal or mono-clonal)	63
<input type="checkbox"/>	L4	L3 and method	58
<input type="checkbox"/>	L5	L4 and (antibodies or antibody or ivig or igiv or immunoglobulin or immune or globulin origg or igm or iga or humanized or chimeric)	57
<input type="checkbox"/>	L6	L5 and humanized	27
<input type="checkbox"/>	L7	L6 and chimeric	26
<input type="checkbox"/>	L8	('6610293')!.PN.	2

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 2 of 2 returned.**

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L8: Entry 1 of 2

File: USPT

Aug 26, 2003

US-PAT-NO: 6610293

DOCUMENT-IDENTIFIER: US 6610293 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Opsonic and protective monoclonal and chimeric antibodies specific for lipoteichoic acid of gram positive bacteria

DATE-ISSUED: August 26, 2003

US-CL-CURRENT: 424/133.1; 424/150.1, 530/387.3, 530/388.4INT-CL: [07] C12 P 21/08, A61 K 39/40, A61 K 39/395

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L8: Entry 2 of 2

File: DWPI

Feb 20, 2003

DERWENT-ACC-NO: 1999-095329

ABSTRACTED-PUB-NO: US20020082395A

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TITLE: New antibodies to lipoteichoic acid of gram positive bacteria - used to develop products for the diagnosis, prevention and treatment of infections caused by gram positive bacteria

INT-CL (IPC): A61 K 39/395, A61 K 39/40, A61 P 31/04, C07 K 7/00, C07 K 16/00, C07 K 16/12, C07 K 16/46, C08 B 37/00, C12 N 15/02, C12 P 21/08, C12 Q 1/18, G01 N 33/53

Derwent-CL (DC): B04, D16

CPI Codes: B04-C01; B04-F10; B04-G01; B12-K04A4; B14-A01B; B14-S11B; D05-H04; D05-H07; D05-H11A;

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1. 20040013673. 23 Jun 03. 22 Jan 04. Opsonic and protective monoclonal and chimeric antibodies specific for lipoteichoic acid of gram positive bacteria. Fischer, Gerald W., et al. 424/164.1; 530/388.4 536/53 A61K039/40 C08B037/00 C07K016/12.

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2. 20020082395. 29 Jun 01. 27 Jun 02. Opsonic and protective monoclonal and chimeric antibodies specific for lipoteichoic acid of gram positive bacteria. Fischer, Gerald W., et al. 530/388.1; 435/7.1 530/387.1 C12P021/08 C07K016/00 G01N033/53.

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3. 6610293. 15 Jun 98; 26 Aug 03. Opsonic and protective monoclonal and chimeric antibodies specific for lipoteichoic acid of gram positive bacteria. Fischer, Gerald W., et al. 424/133.1; 424/150.1 530/387.3 530/388.4. C12P021/08 A61K039/40 A61K039/395.

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4. 1484129. 19 Feb 24. Hygrometer. ALBERT HERMANN; MENZEL CARL A. 73/335.08; 200/DIG.40.

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- 1. 20040052779. 20 Dec 02. 18 Mar 04. Opsonic monoclonal and chimeric antibodies specific for lipoteichoic acid of Gram positive bacteria. Stinson, Jeffrey R., et al. 424/130.1; 530/388.1 A61K039/395 C07K016/44.
- 2. 20040044191. 10 Oct 01. 04 Mar 04. 123 human secreted proteins. Fischer, Carrie L., et al. 536/23.1; C07H021/02 C07H021/04.
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- 4. 20030235578. 20 Dec 02. 25 Dec 03. Opsonic monoclonal and chimeric antibodies specific for lipoteichoic acid of Gram positive bacteria. Stinson, Jeffrey R., et al. 424/130.1; 530/387.1 530/388.15 A61K039/395 C07K016/18.
- 5. 20030228322. 20 Dec 02. 11 Dec 03. Multifunctional monoclonal antibodies directed to peptidoglycan of gram-positive bacteria. Schuman, Richard F., et al. 424/184.1; A61K039/00 A61K039/38.
- 6. 20030225248. 10 Jun 02. 04 Dec 03. 186 human secreted proteins. Ruben, Steven M., et al. 530/350; 435/320.1 435/325 435/6 435/69.1 536/23.5 C07K014/435 C12Q001/68 C07H021/04 C12P021/02 C12N005/06.
- 7. 20030225009. 30 Jan 02. 04 Dec 03. 28 human secreted proteins. Rosen, Craig A., et al. 514/44; 435/183 435/320.1 435/325 435/455 435/69.1 536/23.2 A61K048/00 C07H021/04 C12N009/00 C12P021/02 C12N005/06 C12N015/85.
- 8. 20030224000. 20 Dec 02. 04 Dec 03. Methods for blocking or alleviating staphylococcal nasal colonization by intranasal application of monoclonal antibodies. Kokai-Kun, John Fitzgerald, et al. 424/165.1; 514/2 A61K039/40 A61K038/16.
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- 10. 20030175858. 18 Jun 01. 18 Sep 03. 186 human secreted proteins. Ruben, Steven M., et al. 435/69.1; 435/183 435/320.1 435/325 435/6 530/350 536/23.2 C12Q001/68 C07H021/04 C12P021/06 C12N009/00 C12P021/02 C12N005/06.
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L6 and chimeric	26

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File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040052779

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040052779 A1

TITLE: Opsonic monoclonal and chimeric antibodies specific for lipoteichoic acid of Gram positive bacteria

PUBLICATION-DATE: March 18, 2004

## INVENTOR-INFORMATION:

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<u>Fischer, Gerald Walter</u>	Bethesda	MD	US	

APPL-NO: 10/ 323926 [PALM]

DATE FILED: December 20, 2002

## RELATED-US-APPL-DATA:

Application is a non-provisional-of-provisional application 60/343503, filed December 21, 2001,

INT-CL: [07] A61 K 39/395, C07 K 16/44

US-CL-PUBLISHED: 424/130.1; 530/388.1

US-CL-CURRENT: 424/130.1; 530/388.1

REPRESENTATIVE-FIGURES: NONE

## ABSTRACT:

The present invention encompasses monoclonal antibodies that bind to lipoteichoic acid (LTA) of Gram positive bacteria. The antibodies also bind to whole bacteria and enhance phagocytosis and killing of the bacteria in vitro. The invention also provides antibodies having human sequences (chimeric, humanized and human antibodies). The invention also sets forth the variable regions of three antibodies within the invention and presents the striking homology between them.

## CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is based on and claims the benefit of U.S. Provisional Application S. No. 60/343,503, filed Dec. 21, 2001 (Attorney Docket No. 7787.6008). The entire disclosure of this provisional application is relied upon and incorporated by reference herein. This application also relates to U.S. Pat. No. 5,571,511, U.S. Pat. No. 5,955,074, and U.S. patent application Serial No.

09/097,055, filed Jun. 15, 1998, all of which are specifically incorporated herein by reference.